

Models/Specifications

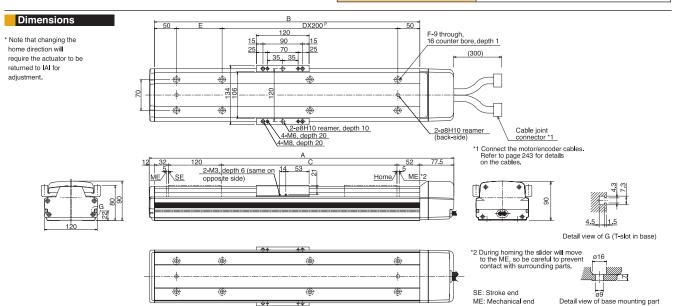
		Motor output (W)	Lead (mm)	Stroke (mm) In increments of 50mm (Note 1)	Speed	Acceleration (Note 3)				Load capacity (Note 3)				
Model	Encoder type				(Note 2)	Horizontal (G)) Vertical (G)		Horizontal (kg)) Vertical (kg)		Rated thrust (N)
						Rated	Maximum	Rated	Maximum		Maximum acceleration		Maximum acceleration	
ISA [ISPA] -MXM-A-100-20- * * * -T1-△-□			20		1 ~ 1000	0.3	1.0	0.3	0.8	20	6	3.5	2	84.3
ISA [ISPA] -MXM-A-100-10- * * * -T1-△-□	Absolute Incremental		10	- 100 ~ 1000 -	1 ~ 500	0.3	0.6	0.3	0.5	40	20	9	7	169.5
ISA [ISPA] -MXM-A-100-5- * * * -T1-△-□		100	5		1 ~ 250	0.15	0.5	0.15	0.3	80	45	19	15	340.1
ISA [ISPA] -MXM-I-100-20- * * * -T1-△-□		100	20		1 ~ 1000	0.3	1.0	0.3	0.8	20	6	3.5	2	84.3
ISA [ISPA] -MXM-I-100-10- * * * -T1-△-□			10		1 ~ 500	0.3	0.6	0.3	0.5	40	20	9	7	169.5
ISA [ISPA] -MXM-I-100-5- * * * -T1-△-□			5	1	1 ~ 250	0.15	0.5	0.15	0.3	80	45	19	15	340.1

In the above model names, ** ble length and 🗆 the appli

Code	Page	Name	Code	Page
AQ	P13	Master-axis designation	LM	P14
В	P13	Master-axis designation (sensor on opposite side)	LLM	P14
С	P13	Reverse homing specification	NM	P14
CL	P13	Guide with ball-retaining mechanism	RT	P14
L	P14	Slave-axis designation	S	P14
LL	P14			
	AQ B C CL L	AQ P13 B P13 C P13 CL P13 L P14	AQ P13 Master-axis designation B P13 Master-axis designation (sensor on opposite side) C P13 Reverse homing specification CL P13 Guide with ball-retaining mechanism L P14 Slave-axis designation	AQ P13 Master-axis designation LM B P13 Master-axis designation (sensor on opposite side) LLM C P13 Reverse homing specification NM CL P13 Guide with ball-retaining mechanism RT L P14 Slave-axis designation S

1.0G =9800mm/se

Common Specifications	Refer to page 10 for the details of common specification items.
Positioning repeatability (Note 4)	±0.02mm [±0.01mm]
Drive system (Note 5)	Ball screw ø16mm, rolled C10 [equivalent to rolled C5]
Lost motion (Note 6)	0.05mm or less [0.02mm or less]
Guide	integrated with base
Allowable static moment	Refer to page 242
Allowable dynamic moment	Ma: 69.6N•m Mb: 99.0N•m Mc: 161.7N•m
Overhang load length	Ma direction: 600mm or less, Mb/Mc directions: 600mm or less
Base	Material: Aluminum, with white alumite treatment
Cable length (Note 7)	N: None, S: 3m, M: 5m, XDD: Specified length
Ambient operating temperature/humidity	0 to 40°C, 85%RH max. (non-condensing)

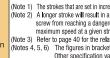


Dimensions Weight and Maximum Speed by Stroke

	/////	010110, 1	weight a		Annunn	opecu r	y ouor	0												
St	roke	100	(150)	200	(250)	300	(350)	400	(450)	500	(550)	600	(650)	700	(750)	800	(850)	900	(950)	1000
	A	393.5	443.5	493.5	543.5	593.5	643.5	693.5	743.5	793.5	843.5	893.5	943.5	993.5	1043.5	1093.5	1143.5	1193.5	1243.5	1293.5
	В	304	354	404	454	504	554	604	654	704	754	804	854	904	954	1004	1054	1104	1154	1204
	С	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
	D	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5
	E	204	254	104	154	204	254	104	154	204	254	104	154	204	254	104	154	204	254	104
	F	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14
Weig	ht (kg)	6.2	6.7	7.2	7.7	8.3	8.8	9.3	9.8	10.4	10.9	11.4	11.9	12.5	13.0	13.5	14.0	14.6	15.1	15.6
Maximum	Lead 20	1000											1000	795		645		540		
speed	Lead 10	500											480	380 310		255				
(mm/s)	Lead 5		250											220	17	75	14	15 120		20

Applicable Controller Specifications

Applica	Applicable controller Specifications												
	Maximum number of controlled axes	Compatible encoder type	Program operation	Positioner operation	Pulse-train control	Supply voltage	Page						
X-SEL	4 axes	Absolute/incremental	0	Δ	×	AC100/200V		1					
E-Con	1 axis	Absolute/incremental	Х	0	×	AC100/200V]					
P-Driver	1 axis	Incremental	×	X	0	AC100/200V]					



ME: Mechanical end

(Note 1) The strokes that are set in increments of 50 mm are semi-standard settings. (Note 2) A longer stroke will result in a lower maximum speed to prevent the ball

(Note 2) A boliget scoke with result in a hower maximum speed to prevent the ball scorew from reaching a dangerous speed. (Refer to the above table for the maximum speed at a given stroke.) (Notes 3) Refer to page 40 for the relationship of acceleration and load capacity. (Notes 4, 5, 6) The figures in brackets apply to the ISPA Series. Other specification values apply to both the ISA and ISPA Series. (Note 7) The maximum cable length is 30 m. Specify the desired length in meters (e.g., X08 = 8 m). \triangle Caution